

PAT-NO: JP361031755A  
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TITLE: APPARATUS FOR COLTROLLING SPEED  
CHANGE RATIO OF TOROIDAL  
TYPE NON-STAGE TRANSMISSION  
PUBN-DATE: February 14, 1986

INVENTOR-INFORMATION:

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ABSTRACT:

PURPOSE: To control accurately speed change ratio by correcting non-linear relationship between the inclination of a power roller and the speed change ratio with a desired inclination or the signal of an inclination detector in a toroidal type non-stage transmission.

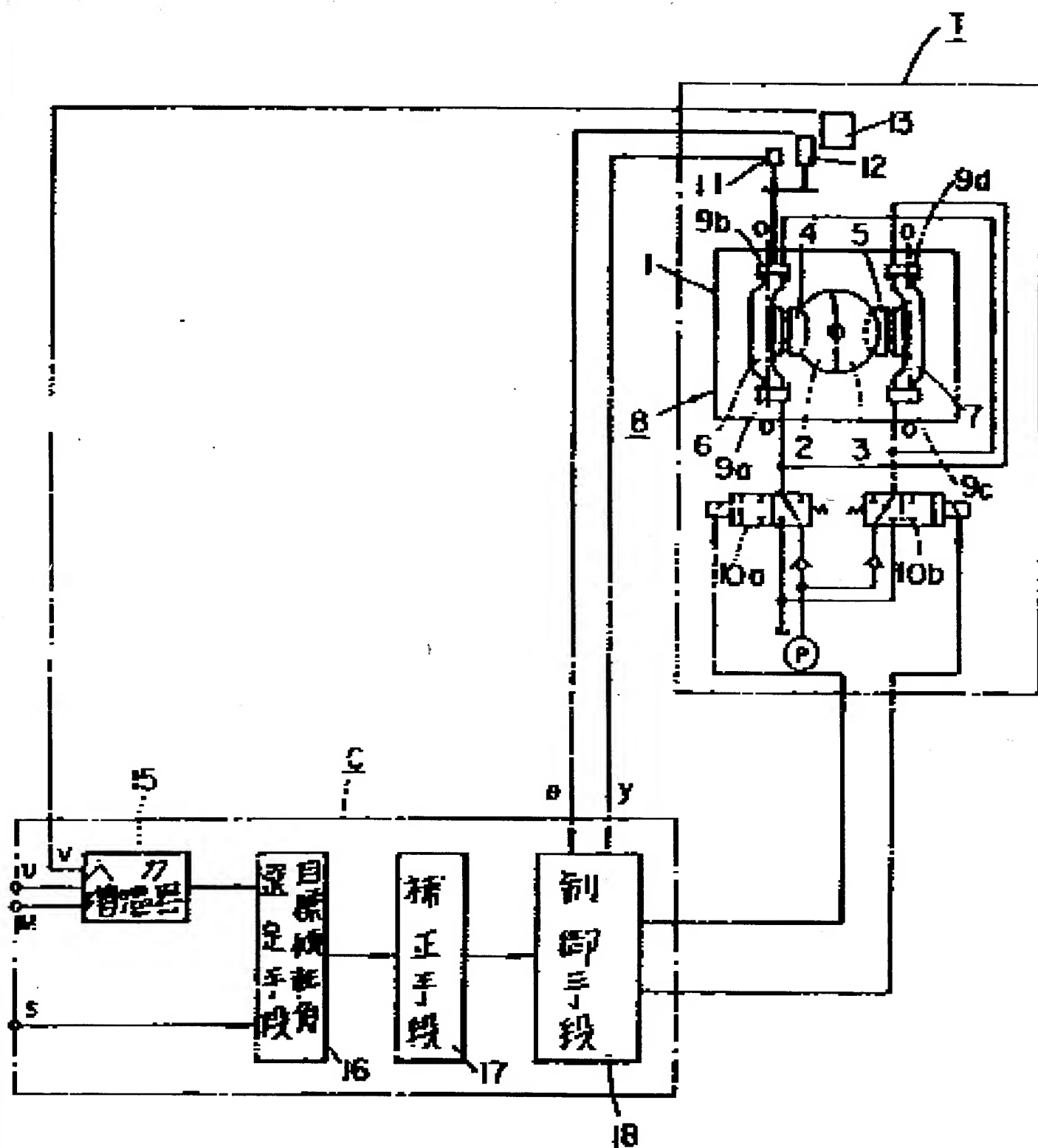
CONSTITUTION: A desired inclination  $E_r$  is corrected to linearize an actual inclination  $\theta$ ; and the speed change ratio  $R$  by an inclination detector 12

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for detecting the inclination  $\theta$ ; of a power roller 4  
of a trunion 6 in a  
toroidal type non-stage transmission T and a control unit C  
so that the speed  
change ratio R of said transmission T follows up accurately  
a predetermined  
speed change ratio based upon throttle opening, economic  
power mode and shift  
position detection signal. Thus, load torque in the rotary  
input side can be  
prevented from fluctuation.

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